

TECHNICAL DATA SHEET

PRODUCT: ENGINEERING BRICK



Available as standard in 40 N/mm² compressive strength.
CCP Engineering Bricks measure 215mm x 100mm x 65mm.

CCP's Engineering Bricks are designed to be used in all types of construction in conjunction with both dense and medium dense blocks. Only high quality, responsibly resourced aggregates are used in the manufacture of this multipurpose product.

They are durable with very high strength and excellent acoustic resistance. CCP Engineering Bricks are a direct replacement for common brick and are the perfect solution for all types of application external or internal above or below DPC including: External Brickwork, Foundations, Chamber Linings, Kicker units to bring blockwork to height and agricultural.

CCP recommend that due to natural variations in aggregates projects should source material from the same CCP site to ensure as far as is reasonably practicable the continuity of the textural finish and hue.



Compliance with EN1996-1	Group 1
Manufacturing Standard	BS EN 771 – 3: 2011
Tolerance Category	D1
Size	215mm x 100mm x 65mm
Meters per pack	7.8m ²
Blocks per pack	468
Flatness	NPD (See BS EN 771-3 sec 5.3.2.2)
Plane Parallelism	NPD
Bulk dry material density	2000—2250 kg/m ³
Dry Weight	Approximately 3.1kg
Compressive strengths	40 N/mm ²
Thermal Conductivity (K Value)	1.47(int) – 1.57 (ext) W/mK
Thermal Resistance (R Value)	0.067 (int) – 0.062 (ext) m ² K/W
Dry shrinkage	Less than 0.06%
Moisture movement	≤ 0.5
Water Absorption	NPD
Water Diffusion	5/15 (EN 772-3 sec 5.8)
Shear Bond Strength	0.15 N/mm ²
Acoustic Resistance (Single Leaf)	51dB
Reaction to Fire	Euro class A1
Durability to freeze / Thaw	Recommend not to leave exposed

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